

### Miniature HD Lens



### Description

The DSL901 is a multi-element glass lens designed for 2/3" imagers with up to 1.3MP resolution. The compact form factor of the DSL901 relative to the large imager format size makes this lens ideal for size constrained machine vision applications.

### Key Features

- Compatible with large format imagers
- All-glass to optimize thermal stability

### Optical Specifications

Sunex PN DSL901	
Description	Miniature Imaging Lens
Imager Format	2/3"
Nominal Imager Resolution	1.3MP
Focal Length	12.0mm
Relative Aperture (F/#)	F/3.0
Image Circle	12.0mm
Field of View	33° at 7.1mm image circle 39° at 8.5mm image circle 50° at 11.0mm image circle
Total Track Length	20.9mm
Distortion	<1% rectilinear
Chief Ray Angle	13.6° at 11.0mm image circle, linear
IR cut-off filter	Optional 650nm IR cutoff filter

### Applications

- Machine Vision
- Security/Surveillance

### DSL901J-650-F3.0 and DSL901J-NIR-F3.0 Mechanical Dimensions [mm]:

Note: DSL901J is intended for use with the Sunex CMT103, CMT104 or CMT107 mount.

